

Fuel Effects Test Program **EPAct Light Duty Exhaust**

Cost and timing feedback from SwRI

Program Costs

Base EPA Program 10 10 10 10 10 10 10 10 10 10 10 10 10 1
VEH

Our proposal is to first test 3 or 4 "real world" ethanol blends on all vehicles to generate data for GHG rule analysis*

Fuels: E0, E10, E15+ Toxics: Yes Temps: 50° and 75°F

Option B hinges on DOE involvement (DOE kicks in \$2 Million)

separately at NVFEL as a parallel program would also like to explore the option of doing this PM work world" fuels) using SwRI proposed methods, we feel, may result in PM speciation (included above and proposed on 3/4 GHG "real part of the program which will greatly improve the data quality. We qualitative results only. We're working to develop methods for this

Project Timing

- Testing estimated to begin in late March 2008
- Most of that time is waiting for fuels (need to decide ASAP which option to select)
- Time also required for test cell upgrades (for 50°F tests) and additional fuel drum storage capacity
- Ability to provide data for GHG rule
- We would add 3 or 4 in-use fuels (E0, E10, E15+) to each option and test these fuels first for a preliminary dataset
- Testing may start earlier since these fuels are more readily available
- SwRI can run 27 tests/week at 75°F (18 at 50°F)
- At this rate (plus 30% margin of safety) and starting 4/1/08: Option A: 19 vehicles * 3 GHG fuels =14 weeks (e.g. 7/8/08)
- Option B: 21 vehicles * 4 GHG fuels =21 weeks (e.g. 8/26/08)

Take Away Points

- April 2008 start date We need to pick fuels (Option A vs. B) ASAP to meet the March or
- blends (anything >E10) DOE involvement is necessary for any data on high level ethanol

We need the "OK" to add 3 or 4 fuels for GHG rule data generation

so SwRI can begin recruiting vehicles

We feel their "non-VOC" PM speciation proposal is inadequate and are in the process of designing our own collection methods. It is questionable that this will be ready by March 08 and might need to be done as an addendum to the program (or done separately at our